

Hamraz Arafati

2, 13th Street, Ajudanie Ave, Tehran, Iran

+989339048121 | hamraz.arafati@gmail.com | github.com/hamriouz | linkedin.com/in/hamraz-arafati-956796230

Education

Sharif University of Technology

Tehran, Iran

Bachelor of Science in Computer Engineering

Sept 2020 - Present

- **GPA:** 17.73/20
- **Related Courses:** Software Engineering, Software Architecture, Advanced Programming, Discrete Structure, Data Structure and Algorithm, Probability and Statistics, Database, Artificial Intelligence, Algorithm Design

Aboureihan School

Tehran, Iran

Diploma in Mathematics and Physics

Sept 2017 - Sept 2020

- **GPA:** 19.67/20
- **Voluntary Work:** Leader of the school's robotics team.

Research Experience

Sharif University of Technology

Tehran, Iran

Undergraduate Research Assistant

September 2024 - Present

- Volunteered as a research assistant under the supervision of **Prof. Mohammad-Amin Fazli**
- Currently doing my bachelor's project on Analysing the effect of changes of CEOs on the company's performance

Work Experience

Jabama Company

Tehran, Iran

Backend Developer

August 2024 - Present

- Owner of new back-office feature on automating charging and fining accounts

Smaretech Company

Tehran, Iran

Backend Developer

August 2023 - August 2024

- Owner of an automation project for user management.
- Owner of a refactoring project for simplifying campaign creation.
- Contributed in a group of three to refactor the project.

Tapsi Company

Tehran, Iran

Backend Developer

Feb 2022 - Feb 2023

- Owner of a project called Surprise Element which is used to give discounts randomly to passengers to increase ride numbers.
- Automated and optimised the user-tracking process by using a third-party tracker.
- Collaborated with a four-person team to develop a project called Fixed-Pay which was used to increase drivers' rides.

Amir English School

Tehran, Iran

English Teacher

Sept 2020 - Feb 2022

- Taught English to teenage boys and girls

Research Interests

Software Design and Architecture

Design Patterns, Model-driven architecture

Software Testing and Verification

Automated testing

Software Quality and Metrics

Code quality metrics, Software reliability engineering

Software Security

Privacy-preserving software, Secure software development lifecycle

Skills

Programming

JavaScript/TypeScript, Kotlin, Golang, Python, C/C++, Java, Mongo, Redis, kafka, Postgres.

Miscellaneous

Linux, Shell (Bash/Zsh), \LaTeX (Overleaf), Prometheus, Git.

Soft Skills

Time Management, Teamwork, Problem-solving, Project Documentation, Presentation Skills, Project Ownership, Fast Learner.

University Projects

Yu-Gi-Oh

Advanced Programming

- Yu-Gi-Oh is a two-player game which players take turn to play their cards and try to get point by attacking opponents' cards.

Dockerized Messaging Queue

System Design and Analysis

- Designed and implemented a fault-tolerant dockerized message queue for reliable message transfer between multiple docker containers

Country Detail Displayer

Web Programming

- Implemented a dockerized project connected to postgres and redis that had third-party calls to other services for getting the weather of a city and some additional data about desired cities and countries.

Voluntary Work

ICPC Iran 2023

Executive Staff

ICPC Iran 2022

Ceremony Presenter and Executive Staff

8th Winter Seminar Series

Technical and Executive Staff

AI Challenge 2023

Executive Staff

7th Winter Seminar Series

Social staff

Academic Services

Voluntary Teaching Assistant

Tehran, Iran

Sharif University of Technology

- **Head of Teaching Assistant:** Software Engineering
- **Teaching Assistant:** Database, E-commerce, Technical and Scientific Presentation, Fundamental of Programming, Advanced Programming, Linear Algebra, Computer Architecture

Students Council

Tehran, Iran

Sharif University of technology

Spring 2021 - Spring 2023

- Treasurer

Rayanesh (Computer Department's Publication)

Tehran, Iran

Sharif University of Technology

Spring 2022 - ongoing

- Executive Member

Languages

English Professional Proficiency [IELTS: 7.5/9 (L: 8.5, R: 8, W: 7, S: 7)]

French Professional Proficiency

Persian Native Proficiency